

imbalance. Thus, the base 21, the first rotating member 22, and the second rotating member 23 may be made of a material with larger specific gravity, such as metal. As a result, the display 40 can be stably disposed on the rotary unit 20.

In addition, the rotary unit 20 can be disposed in another, commercially available, base. For example, as shown in FIG. 5, the rotary unit 20 may be directly disposed in a rectangular base 50.

As stated above, when the display is assembled to the rotary assembly as disclosed in this invention, assembly is convenient and quick. Furthermore, since the rotary assembly is metal, it can stably support the display. Also, the liquid crystal display can be miniaturized to reduce volume.

In addition, since the rotary assembly can be combined with the commercially available base, it can be simplified at a low cost.

While the invention has been particularly shown and described with reference to a preferred embodiment, it will be readily appreciated by those of ordinary skill in the art that various changes and modifications may be made without departing from the spirit and scope of the invention. It is intended that the claims be interpreted to cover the disclosed embodiment, those alternatives which have been discussed above, and all equivalents thereto.

What is claimed is:

1. A rotary assembly comprising:  
a base;  
a first rotating member disposed on the base in a rotatable manner;

a second rotating member disposed on the base in a manner such that the second rotating member and the first rotating member rotate together; and

35 a hinge disposed on the first rotating member.

2. The rotary assembly as claimed in claim 1, wherein the base includes a first concave portion for receiving the first rotating member.

3. The rotary assembly as claimed in claim 2, wherein the first rotating member includes a step portion located in the first concave portion.

4. The rotary assembly as claimed in claim 2, wherein the base includes a second concave portion for receiving the second rotating member, opposite to the first concave portion.

45 5. The rotary assembly as claimed in claim 1, wherein the second rotating member includes a cambered surface abutting on the base to linearly contacting with the base.

6. The rotary assembly as claimed in claim 1, further comprising:

55 a bolt for connecting the first rotating member and the second rotating member so that the second rotating member and the first rotating member rotate together.

7. The rotary assembly as claimed in claim 6, wherein the base includes a hollow portion, the first rotating member includes a screw-hole, and the second rotating member includes a through hole corresponding to the screw hole, whereby the bolt is screwed to the screw hole through the through hole to combine the first rotating member and the second rotating member.

8. The rotary assembly as claimed in claim 1, wherein the base, the first rotating member, and the second rotating member are made of metal respectively.

65 9. A liquid crystal display comprising:  
a display;  
a hinge connected to the display;

a first rotating member for the hinge to dispose thereon; a base for the first rotating member to dispose therein; and a second rotating member disposed in the base in a manner such that the second rotating member and the first rotating member rotate together.

10. The liquid crystal display as claimed in claim 9, wherein the base includes a first concave portion for receiving the first rotating member.

11. The liquid crystal display as claimed in claim 10, wherein the first rotating member includes a step portion located in the first concave portion.

12. The liquid crystal display as claimed in claim 10, wherein the base includes a second concave portion for receiving the second rotating member, opposite to the first concave portion.

13. The liquid crystal display as claimed in claim 9, wherein the second rotating member includes a cambered surface abutting on the base to linearly contacting with the base.

14. The liquid crystal display as claimed in claim 9, further comprising:

a bolt for connecting the first rotating member and the second rotating member so that the second rotating member and the first rotating member rotate together.

15. The liquid crystal display as claimed in claim 14, wherein the base includes a hollow portion, the first rotating member includes a screw hole, and the second rotating member includes a through hole corresponding to the screw hole, whereby the bolt is screwed to the screw hole through the through hole to combine the first rotating member and the second rotating member.

16. The liquid crystal display as claimed in claim 9, wherein the base, the first rotating member, and the second rotating member are made of metal respectively.

17. A rotary unit for a liquid crystal display having a display and a hinge, comprising:

a base;

a first rotating member disposed in the base in a rotatable manner, connected to the display via the hinge; and  
5 a second rotating member disposed in the base in a manner such that the second rotating member and the first rotating member rotate together.

18. The rotary unit as claimed in claim 17, wherein the base includes a first concave portion for receiving the first rotating member.

10 19. The rotary unit as claimed in claim 18, wherein the first rotating member includes a step portion located in the first concave portion.

15 20. The rotary unit as claimed in claim 18, wherein the base includes a second concave portion for receiving the second rotating member, opposite to the first concave portion.

21. The rotary unit as claimed in claim 17, wherein the second rotating member includes a cambered surface abutting on the base to linearly contacting with the base.

20 22. The rotary unit as claimed in claim 17, further comprising:

a bolt for connecting the first rotating member and the second rotating member so that the second rotating member and the first rotating member rotate together.

25 23. The rotary unit as claimed in claim 22, wherein the base includes a hollow portion, the first rotating member includes a screw hole, and the second rotating member includes a through hole corresponding to the screw hole, whereby the bolt is screwed to the screw hole through the through hole to combine the first rotating member and the second rotating member.

30 24. The rotary unit as claimed in claim 17, wherein the base, the first rotating member, and the second rotating member are made of metal respectively.

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